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Docket No.: M4065.0698/P698-A
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Kristy A. Campbell et al.

Application No.: 10/736,617

Confirmation No.: 4072

Filed: December 17, 2003

Art Unit: 2825

For: METHOD OF FORMING NON-
VOLATILE RESISTANCE VARIABLE
DEVICES, METHOD OF FORMING A
PROGRAMMABLE MEMORY CELL OF
MEMORY CIRCUITRY, AND A NON-
VOLATILE RESISTANCE VARIABLE
DEVICE

Examiner: R. Rocchegiani

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Supplemental Information Disclosure Statement is filed more than three months after the U.S. filing date, AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

Copies of the references on the PTO/SB/08 are not provided.

Those patents or publications which are marked with a double asterisk (**) next to the Cite No. in the attached form PTO/SB/08 are not supplied because they were previously cited by or submitted to the Office in a prior application number 09/943,190, filed August 29, 2001 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

In accordance with 37 CFR 1.97(g), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Supplemental Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Supplemental Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Please charge our Credit Card in the amount of \$180.00 covering the fee set forth in 37 CFR 1.17(p). Credit Card Payment Form SB-2038, with a signature from an authorized cardholder, is enclosed. The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1073, under Order No. M4065.0698/P698-A.

Application No.: 10/736,617

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Dated: September 27, 2004

Respectfully submitted,

By 

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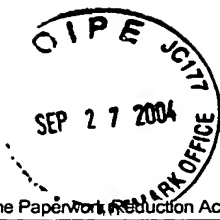
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PTO/SB/08A (10-01)

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U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/736,617
				Filing Date	December 17, 2003
				First Named Inventor	Kristy A. Campbell
				Art Unit	2825
				Examiner Name	R. Rocchegiani
Sheet	1	of	5	Attorney Docket Number	M4065.0698/P698-A

U.S. PATENT DOCUMENTS					
Exami ner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	**AA	2002/0072188	6/13/2002	Gilton	
	**AB	2002/0106849	08/08/2002	Moore	
	**AC	2002/0123169	09/05/2002	Moore et al.	
	**AH	2002/0123248	09/05/2002	Moore et al.	
	**AI	2002/0132417	09/09/2002	Li	
	**AJ	2002/0160551	10/31/2002	Harshfield	
	**AK	2002/0168852	11/14/2002	Harshfield et al.	
	**AL	2002/0190289	12/19/2002	Harshfield et al.	
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	**AG	2003/0038301	02/27/2003	Moore	
	**AM	2003/0043631	03/06/2003	Gilton et al.	
	**AN	2003/0045049	03/06/2003	Campbell et al.	
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	**AQ	2003/0047772	03/13/2003	Li	
	**AR	2003/0047773	03/13/2003	Li	
	**AS	2003/0048519	03/13/2003	Kozicki	
	**AT	2003/0048744	3/2003	Ovshinsky et al.	
	**AU	2003/0049912	03/13/2003	Campbell et al.	
	**AV	2003/0068861	04/10/2003	Li	
	**AW	2003/0068862	04/10/2003	Li	
	**AX	2003/0095426	05/22/2003	Hush et al.	
	**AY	2003/0096497	05/22/2003	Moore et al.	
	**AZ	2003/0107105	06/12/2003	Kozicki	
	**AA1	2003/0117831	06/26/2003	Hush	
	**AB1	2003/0128612	07/10/2003	Moore et al.	
	**AC1	2003/0137869	07/24/2003	Kozicki	
	**AD1	2003/0143782	07/31/2003	Gilton et al.	
	**AE1	2003/0155589	08/21/2003	Campbell et al.	
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	**AH1	2003/0156463	08/21/2003	Casper et al.	
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	**AK1	2003/0210564	11/13/2003	Kozicki et al	
	**AL1	2003/0212724	11/2003	Ovshinsky et al.	
	**AM1	2003/0212725	11/2003	Ovshinsky et al.	
	**AN1	2004/0035401	2/2004	Ramachandran et al.	
	**AO1	3,271,591	9/1966	Ovshinsky	
	**AP1	3,622,319	11/1971	Sharp	
	**AQ1	3,743,847	7/1973	Boland	
	**AR1	3,961,314	6/1976	Klose et al.	
	**AS1	3,966,317	6/1976	Wacks et al.	
	**AT1	3,983,542	11/1976	Ovshinsky	

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Sheet	2	of	5	Attorney Docket Number	M4065.0698/P698-A

**AU1	3,988,720	10/1976	Ovshinsky	
**AV1	4,177,474	12/1979	Ovshinsky	
**AW1	4,267,261	5/1981	Hallman et al.	
**AX1	4,269,935	5/1981	Masters et al.	
**AY1	4,312,938	1/1982	Drexler, et al.	
**AZ1	4,320,191	3/1982	Yoshikawa et al.	
**AA2	4,405,710	9/1983	Balasubramanyam et al.	
**AB2	4,499,557	2/1985	Holmberg et al.	
**AC2	4,597,162	7/1986	Johnson et al.	
**AD2	4,608,296	8/1986	Keem et al.	
**AE2	4,637,895	1/1987	Ovshinsky et al.	
**AF2	4,646,266	2/1987	Ovshinsky et al.	
**AG2	4,664,939	5/1987	Ovshinsky	
**AH2	4,668,968	5/1987	Ovshinsky et al.	
**AI2	4,670,763	6/1987	Ovshinsky et al.	
**AJ2	4,673,957	6/1987	Ovshinsky et al.	
**AK2	4,678,679	7/1987	Ovshinsky	
**AL2	4,696,758	9/1987	Ovshinsky et al.	
**AM2	4,698,234	10/1987	Ovshinsky et al.	
**AN2	4,710,899	12/1987	Young et al.	
**AO2	4,728,406	3/1988	Banerjee et al.	
**AP2	4,737,379	4/1988	Hudgens et al.	
**AQ2	4,766,471	8/1988	Ovshinsky et al.	
**AR2	4,769,338	9/1988	Ovshinsky et al.	
**AS2	4,775,425	10/1988	Guha et al.	
**AT2	4,788,594	11/1988	Ovshinsky et al.	
**AU2	4,795,657	1/1989	Formigoni et al.	
**AV2	4,809,044	2/1989	Pryor et al.	
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**AX2	4,843,443	6/1989	Ovshinsky et al.	
**AY2	4,845,533	7/1989	Pryor et al.	
**AZ2	4,847,674	7/1989	Sliwa et al.	
**AA3	4,853,785	8/1989	Ovshinsky et al.	
**AB3	4,891,330	1/1990	Guha et al.	
**AC3	5,128,099	7/1992	Strand et al.	
**AD3	5,159,661	10/1992	Ovshinsky et al.	
**AE3	5,166,758	11/1992	Ovshinsky et al.	
**AF3	5,177,567	1/1993	Klersy et al.	
**AG3	5,219,788	6/1993	Abernathey et al.	
**AH3	5,238,862	8/1993	Blalock et al.	
**AI3	5,296,716	3/1994	Ovshinsky et al.	
**AJ3	5,315,131	5/1994	Kishimoto et al.	
**AK3	5,335,219	8/1994	Ovshinsky et al.	
**AL3	5,341,328	8/1994	Ovshinsky et al.	
**AM3	5,350,484	9/1994	Gardner et al.	
**AN3	5,359,205	10/1994	Ovshinsky	
**AO3	5,360,981	11/1994	Owen et al.	
**AP3	5,406,509	4/1995	Ovshinsky et al.	
**AQ3	5,414,271	5/1995	Ovshinsky et al.	

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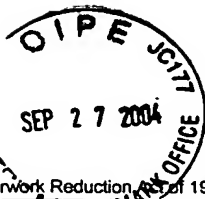
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				Art Unit	2825
				Examiner Name	R. Rocchegiani
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**AR3	5,512,328	4/1996	Yoshimura et al.	
**AS3	5,512,773	4/1996	Wolf et al.	
**AT3	5,534,711	7/1996	Ovshinsky et al.	
**AU3	5,534,712	7/1996	Ovshinsky et al.	
**AV3	5,536,947	7/1996	Klersy et al.	
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**AZ3	5,687,112	11/1997	Ovshinsky	
**AA4	5,694,054	12/1997	Ovshinsky et al.	
**AB4	5,714,768	2/1998	Ovshinsky et al.	
**AC4	5,726,083	3/1998	Takaishi	
**AD4	5,789,277	8/1998	Zahorik et al.	
**AE4	5,814,527	9/29/1998	Wolstenholme et al	
**AF4	5,818,749	10/06/1998	Harshfield	
**AG4	5,825,046	10/1998	Czubatyj et al.	
**AH4	5,841,150	11/1998	Gonzalez et al.	
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**AJ4	5,851,882	12/22/1998	Harshfield	
**AK4	5,869,843	2/9/1999	Harshfield	
**AL4	5,896,312	4/20/1999	Kozicki et al.	
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**AR4	6,031,287	2/29/2000	Harshfield	
**AS4	6,077,729	6/2000	Harshfield	
**AT4	6,084,796	7/4/2000	Kozicki et al.	
**AU4	6,087,674	7/2000	Ovshinsky et al.	
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**AY4	6,143,604	11/2000	Chiang et al.	
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**AA5	6,274,805	08/2001	Nakazawa et al.	
**AB5	6,297,170	10/2001	Gabriel et al.	
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Sheet	4	of	5	Attorney Docket Number	M4065.0698/P698-A

**AO5	6,423,628	7/2002	Li et al.	
**AP5	6,429,064	8/2002	Wicker	
**AQ5	6,437,383	8/2002	Xu	
**AR5	6,440,837	8/27/2002	Harshfield	
**AS5	6,462,984	10/2002	Xu et al.	
**AT5	6,480,438	11/2002	Park	
**AU5	6,487,113	11/2002	Park et al.	
**AV5	6,501,111	12/2002	Lowery	
**AW5	6,507,061	1/2003	Hudgens et al.	
**AX5	6,511,862	1/2003	Hudgens et al.	
**AY5	6,511,867	1/2003	Lowery et al.	
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**AG6	6,563,164	5/2003	Lowery et al.	
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**AI6	6,567,293	5/2003	Lowery et al.	
**AJ6	6,569,705	5/2003	Chiang et al.	
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**AL6	6,576,921	6/2003	Lowery	
**AM6	6,586,761	7/2003	Lowery	
**AN6	6,589,714	7/2003	Maimon et al.	
**AO6	6,590,807	7/2003	Lowery	
**AP6	6,593,176	7/2003	Dennison	
**AQ6	6,597,009	7/2003	Wicker	
**AR6	6,605,527	8/2003	Dennison et al.	
**AS6	6,613,604	9/2003	Maimon et al.	
**AT6	6,621,095	9/2003	Chiang et al.	
**AU6	6,625,054	9/2003	Lowery et al.	
**AV6	6,638,820	10/2003	Moore	
**AW6	6,642,102	11/2003	Xu	
**AX6	6,646,297	11/2003	Dennison	
**AY6	6,649,928	11/2003	Dennison	
**AZ6	6,667,900	12/2003	Lowery et al.	
**AA7	6,671,710	12/2003	Ovshinsky et al.	
**AB7	6,673,648	1/2004	Lowrey	
**AC7	6,673,700	1/2004	Dennison et al.	
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**AE7	6,687,427	2/2004	Ramalingam et al.	
**AF7	6,690,026	2/2004	Peterson	
**AG7	6,696,355	2/2004	Dennison	
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PTO/SB/08A (10-01)

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	**BA	JP 5-6126916	10/19981	Akira et al.		
	**BB	WO 00/48196	08/17/2000	Kozicki et al.		
	**BC	WO 02/21542	03/14/2002	Kozicki et al.		

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